


# Mendelian randomization

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Systematic evaluation of the association between hemoglobin levels and metabolic profile implicates beneficial effects of hypoxia

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## Related files

 HIF.7z 

 hypoxia\_eqtl\_mr.7z 

**How to cite:** (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Karhunen, V. , Järvelin, M. and Koivunen, P. (2021). Mendelian randomization. Bio-protocol Preprint. [bio-protocol.org/prep1333](https://bio-protocol.org/prep1333).
2. Auvinen, J., Tapio, J., Karhunen, V., Kettunen, J., Serpi, R., Dimova, E. Y., Gill, D., Soininen, P., Tammelin, T., Mykkänen, J., Puukka, K., Kähönen, M., Raitoharju, E., Lehtimäki, T., Ala-Korpela, M., Raitakari, O. T., Keinänen-Kiukaanniemi, S., Järvelin, M. and Koivunen, P.(2021). Systematic evaluation of the association between hemoglobin levels and metabolic profile implicates beneficial effects of hypoxia . Science Advances 7(29). DOI: [10.1126/sciadv.abi4822](https://doi.org/10.1126/sciadv.abi4822)

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